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CONFIDENTIAL
 WORK ORDER

TO: DATE 20 May 1958

25X1

ATTENTION: SUBJECT: Work Order No. 2

Change No. _____

Contractor's No. RD-145, T.O. 2

DEC	<u>16</u>	DATE	<u>010586</u>	BY	<u>010956</u>
ORIG COMP	<u>035</u>	DATE	<u>56</u>	BY	<u>02</u>
THIS CLASS	<u>3</u>	DATE	<u>3</u>	BY	<u>2</u>
JUST	<u>22</u>	DATE	<u>20/0</u>	BY	<u>20/0</u>

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You are hereby authorized to proceed with the performance of the work outlined below, subject to the terms and provisions of our current contract.

WORK DESCRIPTION	QUANTITY	ESTIMATED COMPLETION DATE	FOB POINT
Fabricate transistorized video amplifiers in accordance with specification outlined on Work Attachment A.	10 each	4 August '58	Customer's Premises

The equipment is UNCLASSIFIED, but the sponsor's association with the contract and/or equipment is classified SECRET.

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Breakdown of Estimated Cost & See cost breakdown

TOTAL FUNDS AUTHORIZED TO DATE FOR WORK ORDER NO. <u>2</u>	\$ <u>5,405</u>
INCREASE OR DECREASE AUTHORIZED BY THIS CHANGE NO. _____	\$ <u>None</u>
NET TOTAL	\$ <u>5,405</u>

Nothing contained hereon may be altered nor may the total shown above be exceeded without prior authorization of the undersigned or his agent.

Charge Allotment

BY _____

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No. _____ of the United States
 and 794, the transmission
 of this information is prohibited by law.

Please indicate acceptance by completing the portion below in duplicate and returning two copies of this order to the subscriber at the earliest practical date.

Acknowledgment and acceptance of Work Order No. 2

Change No. _____

BY _____

Date _____

Title _____

Company _____

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WORK ATTACHMENT A

Specifications

A. General

1. The transistorized amplifier unit will incorporate a pulse amplifier and a separate audio preamplifier in accordance with engineering drawings supplied by the contracting organization.
2. Etched circuitry will be used throughout and all parts will be of miniature or, whenever possible, subminiature configuration. The transistors will receive an incoming inspection to insure the use of those having a 12 db minimum noise figure, and a minimum beta of 20, as claimed by the manufacturer. The transistors will be mounted in clips and the clips will be grounded.
3. A 9 pin receptacle at the back of the unit will accommodate all connections to the amplifier with the exception of the input connection.

4.

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B. Specific

1. Electrical

a) Sensitivity:

b) Bandwidth:

c) Power Consumption:

d) Number of transistors:

e) Pulse stretch:

f) Output Impedance:

g) Output Level:

50 cps to 1 mcs.

Total of 60 milliwatts

12

30 to 50

30,000 ohms

Approximately 3 volts RMS with a -42 dbm input

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2. Physical

a) Size:

b) Weight:

c) Input Connector

5-1/2" x 1-1/2" x 15/16" (excluding front panel)

3-1/4 ounces

IPC 46025

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d) Output Connector

Winchester receptacle SMRE 14S-G

C. Assembly

1. The amplifiers will be constructed in accordance with the drawings supplied by the contracting organization. The amplifier shall be mounted firmly in the case to prevent damages. Care should be exercised in assembling the units to insure a proper match between the rear receptacle and the fixed plug on the auxiliary recorder.
2. Vibration and shock: Special precaution must be taken in the fabrication of this equipment to insure maximum protection from vibration and shock encountered in shipping and normal field usage by aircraft, motor vehicles, etc.

D. Testing

1. The completed units will be tested in conjunction with the GFE recorder to insure that the above specifications have been met.

E. Government Furnished Equipment

1. The following equipment will be supplied to the contractor in support of this work order:

one (1), Video wire recorder (including amplifier) w/earphones and microphone.

One (1), complete set of engineering drawings, both mechanical and electrical, including a printed circuit negative.

One (1), Instruction book for the Video Recorder Unit.

F. Deliverable Items:

Ten (10), transistorized video amplifier units, reproducible manufacturing drawings of any unusual parts.

G. Security Classification

The equipment is UNCLASSIFIED, however, the association of the equipment with the contract and/or the contracting organization is classified SECRET.

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